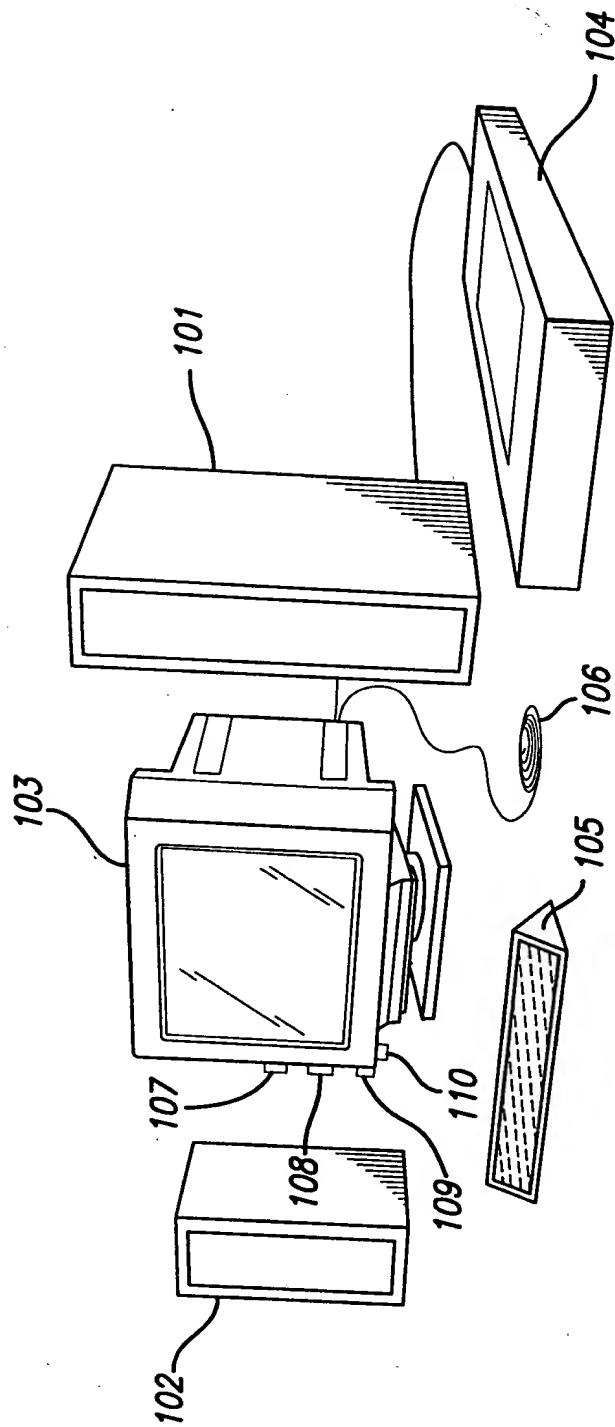


FIG. 1



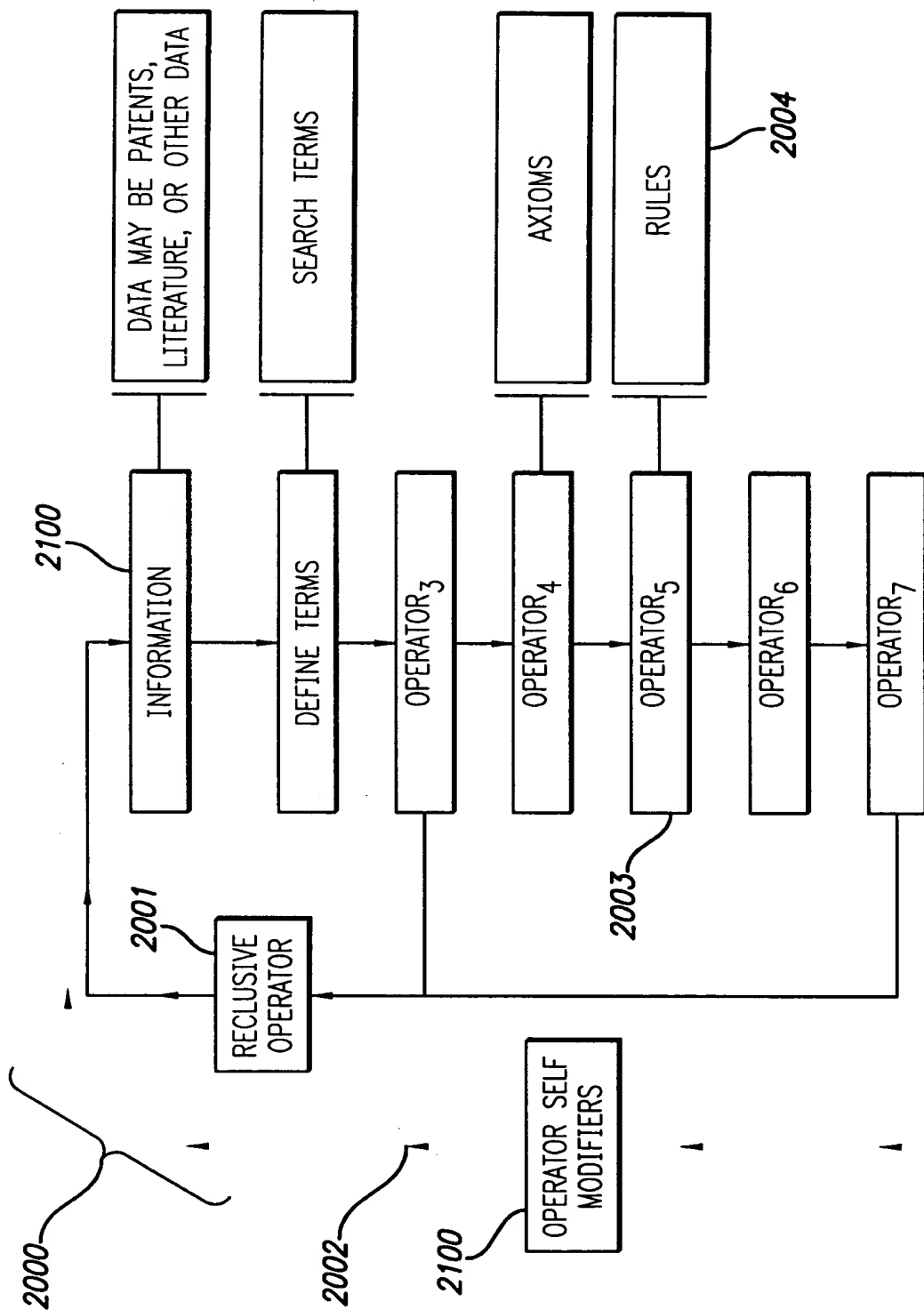
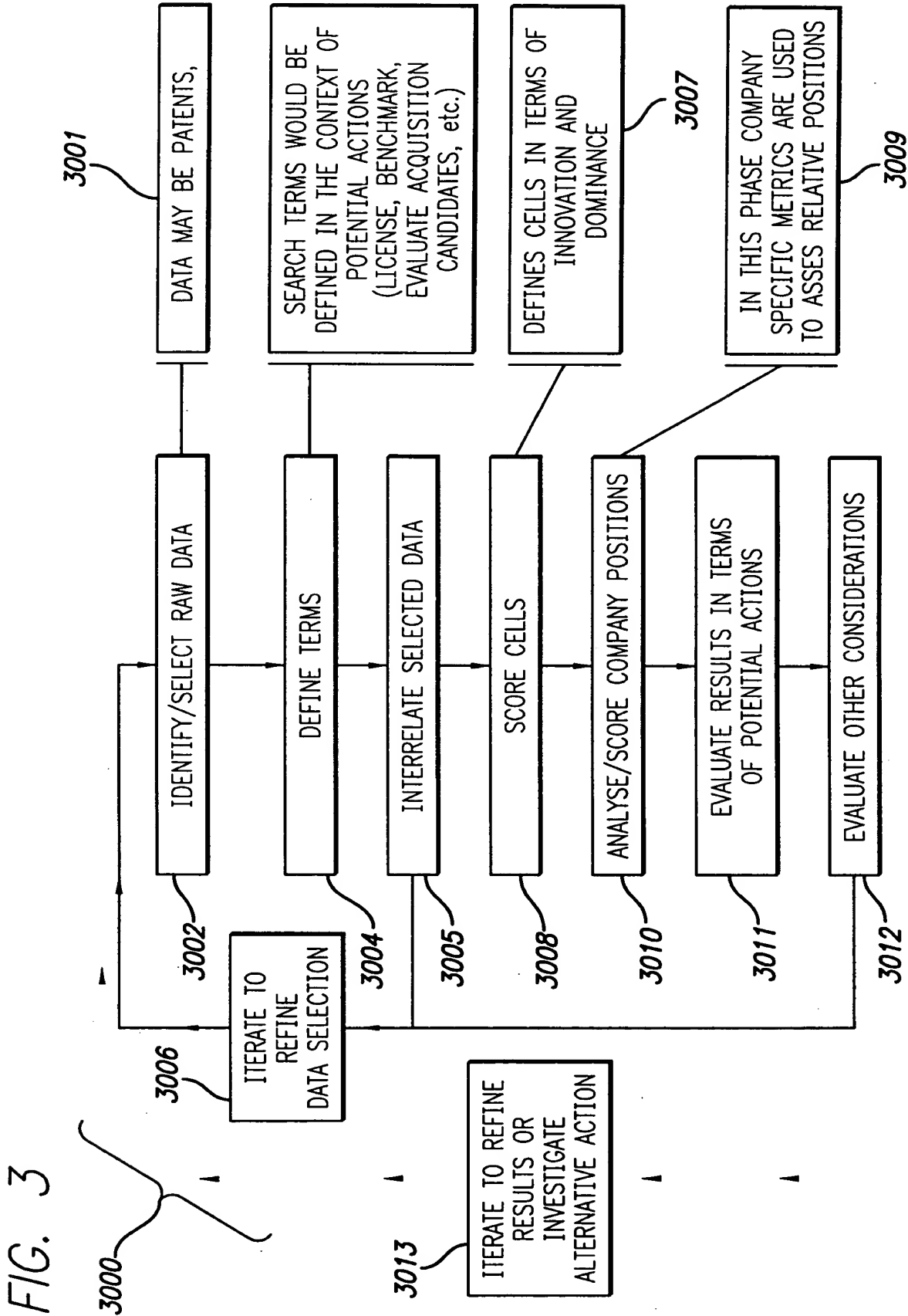


FIG. 2



AN EXAMPLE OF SOURCE DATA
INFRARED TECHNOLOGY

FIG. 4

OBJECTS 4001

ACTIONS 4002 4015 4014	OBJECTS 4001					
	01	02	03	04	05	06
	PHOTORECEPTOR OR 4005	DIGITAL IMAGE 4009	DIGITAL SCAN 4010	REMOTE NETWORK OR 4011	THERMAL IMAGE 4012	OPTIC ALIGN 4013
	2969	5004	775	1224	1672	5278
A NEAR INFRARED 4007	12	9	1	1	18	22
B FAR INFRARED 4064	0	0	0	0	3	12
C INFRARED 4065	62	87	20	34	263	249

4082
21604
4071

THE POWER TO BE BOTH FOCUSED AND INCLUSIVE

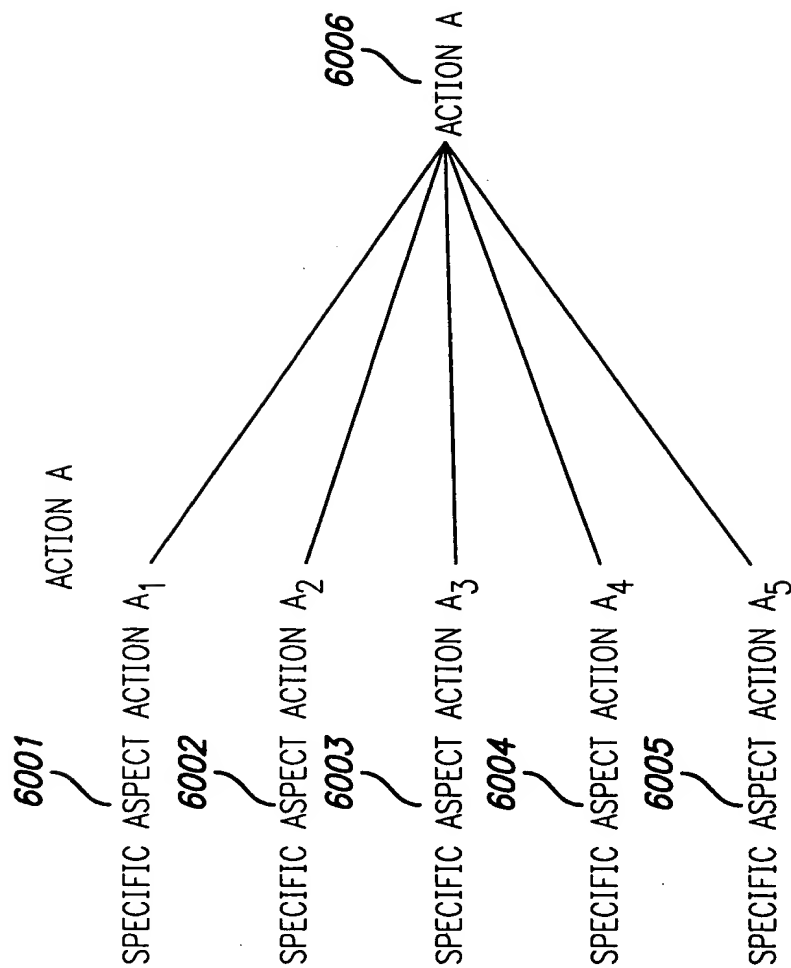


FIG. 6

*PATENTS IDENTIFIED IN ANY OF THESE SPECIFIC TERMS ARE ROLLED INTO ONE ACTION DATA SET.

FIG. 7-1

PATENT CROSS TAB REPORT

7001	7002	7003	7004	7005	7006	7007	7008	7009	7010				
ASSIGNEE	DOCUMENT D	TITLE	ISSUED	DOCUMENT TYPE	HITS	WEIGHTED HITS	WEIGHTED ACTION	C01	C02	C03	C04	C05	C06
OBJECT WEIGHTS								1	1	2	1	1	3
	7011												
HE HOLDINGS	6025595	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	2/15/00	US	3	4	2		1	1		1	
		SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	8/13/98	PCT	3	4	3						
RAYTHEON	WO 98/35496	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	8/13/98	PCT	3	4	4		1	1		1	
		SPRITE THERMAL IMAGING SYSTEM	8/13/98	PCT	3	4	4						
RAYTHEON	WO 98/35497	SPRITE THERMAL IMAGING SYSTEM	8/13/98	PCT	3	4	4		1	1		1	
		SPRITE THERMAL IMAGING SYSTEM	4/14/98	US	3	4	3						
HE HOLDINGS	5739531	SPRITE THERMAL IMAGING SYSTEM	4/14/98	US	3	4	3		1	1		1	
UNITED STATES OF AMERICA	4470816	THERMAL SIGHT TRAINER	9/11/84	US	3	5	3		1			1	1
		METHOD AND APPARATUS FOR THERMAL RADIATION IMAGING	2/8/00	US	2	4	3						
LIU, ZHONG QI	6023637												

FIG. 7-2

[illegible]

VACHTSEVANOS, GEORGE J.	5815198	METHOD AND APPARATUS FOR ANALYZING AN IMAGE TO DETECT AND IDENTIFY DEFECTS	9/29/98	US	2	4	1	1	1
UNITED STATES OF AMERICA	5756990	SIMPLIFIED SIMULATION OF EFFECTS OF TURBULENCE ON DIGITAL IMAGERY	5/26/98	US	2	1	4	1	1
HUGHES ELECTRONICS	5737119	THERMAL IMAGING DEVICE	4/7/98	US	2	4	2	1	1
HUGHES ELECTRONICS	5673143	THERMAL IMAGING DEVICE WITH SELECTIVELY REPLACEABLE TELESCOPIC LENSES AND AUTOMATIC LENS IDENTIFICATION	9/30/97	US	2	4	2	1	1
EASTMAN KODAK	5668596	DIGITAL IMAGING DEVICE OPTIMIZED FOR COLOR PERFORMANCE	9/16/97	US	2	3	2	1	1
HE HOLDINGS Dba HUGHES ELECTRONICS	EP 0 762 173 A2	THERMAL IMAGING DEVICE	3/12/97	EP-A	2	4	1	1	1

FIG. 7-3

FIG. 8A-1

8001 8021 8022 8023 8024 8025 8026

ASSIGNEE ROLLUP

RANK	ASSIGNEE	HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTION	RC C01	RC C02	RC C03	RC C04	RC C05	RC C06	RC C06
	8002 PATENTS							62	87	20	34	263	249	
	8003 ISSUED PATENTS							49	65	17	23	206	222	
	8004 APPLIED PATENTS							13	22	3	11	57	27	
	8005 RECENT PATENTS							16	33	10	11	55	40	
	8006 ISSUED RECENT PATENTS							14	22	7	7	44	34	
	8007 APPLIED RECENT PATENTS							2	11	3	4	11	6	
	8008 DOMINANCE							0.48	0.26	0.20	0.44	0.48	0.40	
	8009 RECENT DOMINANCE							0.44	0.18	0.20	0.18	0.27	0.28	
	8010 ISSUED INNOVATION FACTOR 4							0.33	0.62	0.69	1.29	0.10	0.17	
	8011 APPLIED INNOVATION FACTOR 4							0.64	0.87	0.33	0.50	-0.02	0.19	

8020

FIG. 8A-2

SECRET

12/37

8021 8022 8023 8024 8025 8026

HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
43	42	4	4	48	5
34	31	3	2	39	7
20	20	3	3	26	4
18	18	4	4	22	9
17	17	2	2	21	11
16	16	2	2	22	4
16	13	3	2	14	12
15	11	12	8	18	5
14	13	1	1	16	9
12	12			14	15
12	12	5	5	15	2
12	12	5	5	12	8
12	12	1	1	15	1
10	10			11	3
10	10	3	1	14	5

CELL INDICES - DEFINITIONS
INNOVATION FACTOR 1 (APPLIED OR ISSUED)

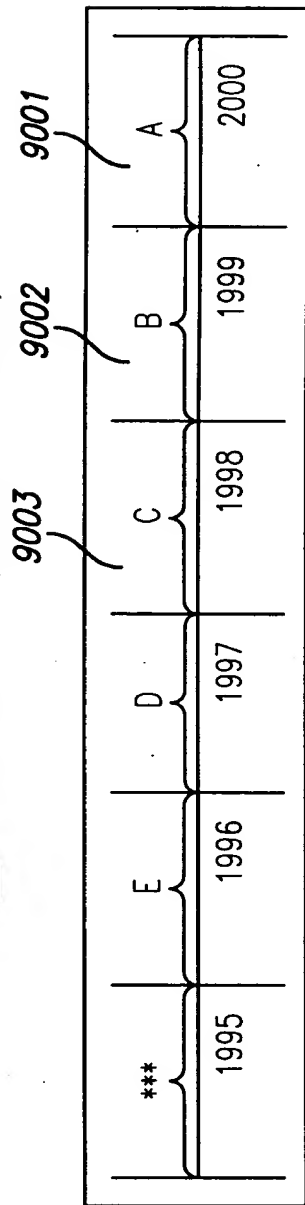
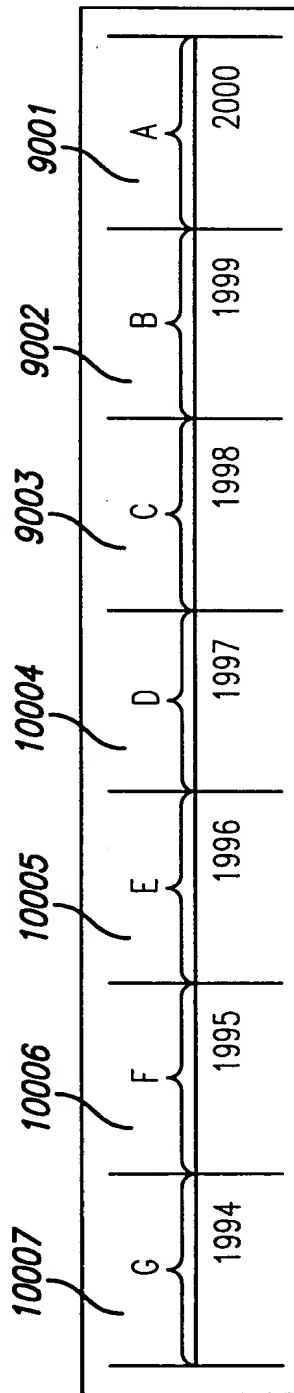


FIG. 9

$$9000 \text{ --- INNOVATION FACTOR } 9002 = \frac{A}{(B+C)/2} \text{ --- } 9001 \text{ --- } 9003$$

CELL INDICES - DEFINITIONS
INNOVATION FACTOR 4 (APPLIED OR ISSUED)



INNOVATION FACTOR 4 =

$$10012 \text{ --- } \left[\frac{(A-B)}{B} \times 6 \right] + \left[\frac{(B-C)}{C} \times 5 \right] + \left[\frac{(C-D)}{D} \times 4 \right] + \left[\frac{(D-E)}{E} \times 3 \right] + \left[\frac{(E-F)}{F} \times 2 \right] + \left[\frac{(F-G)}{G} \times 1 \right]$$

FIG. 10

FIG. 12

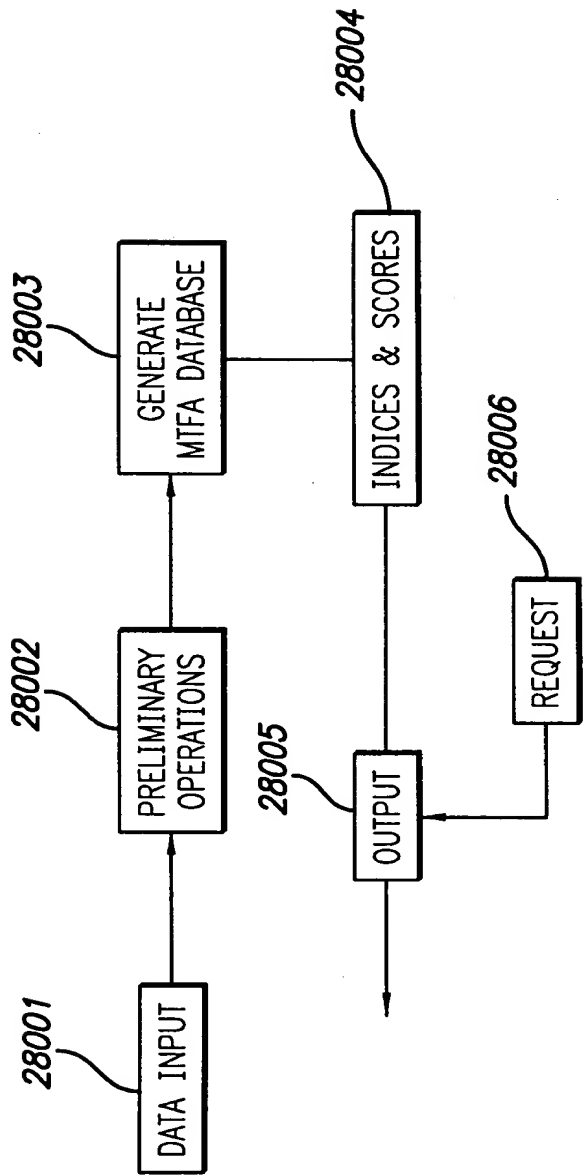
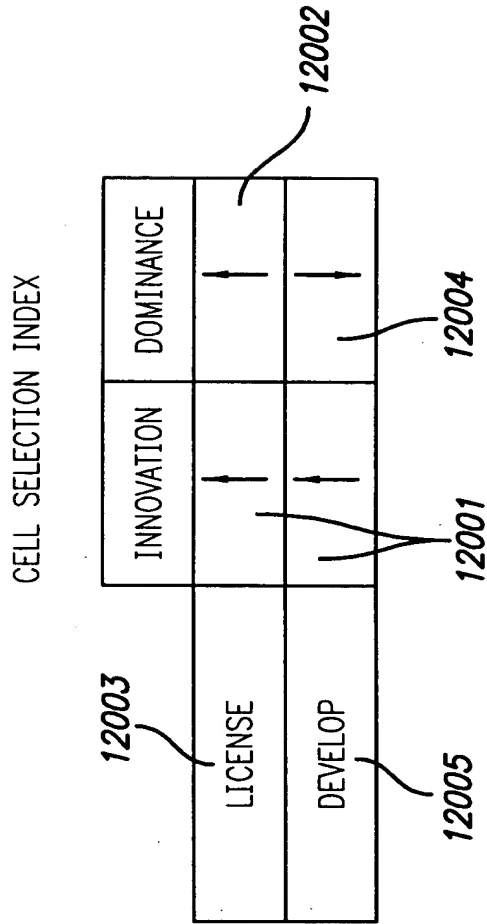
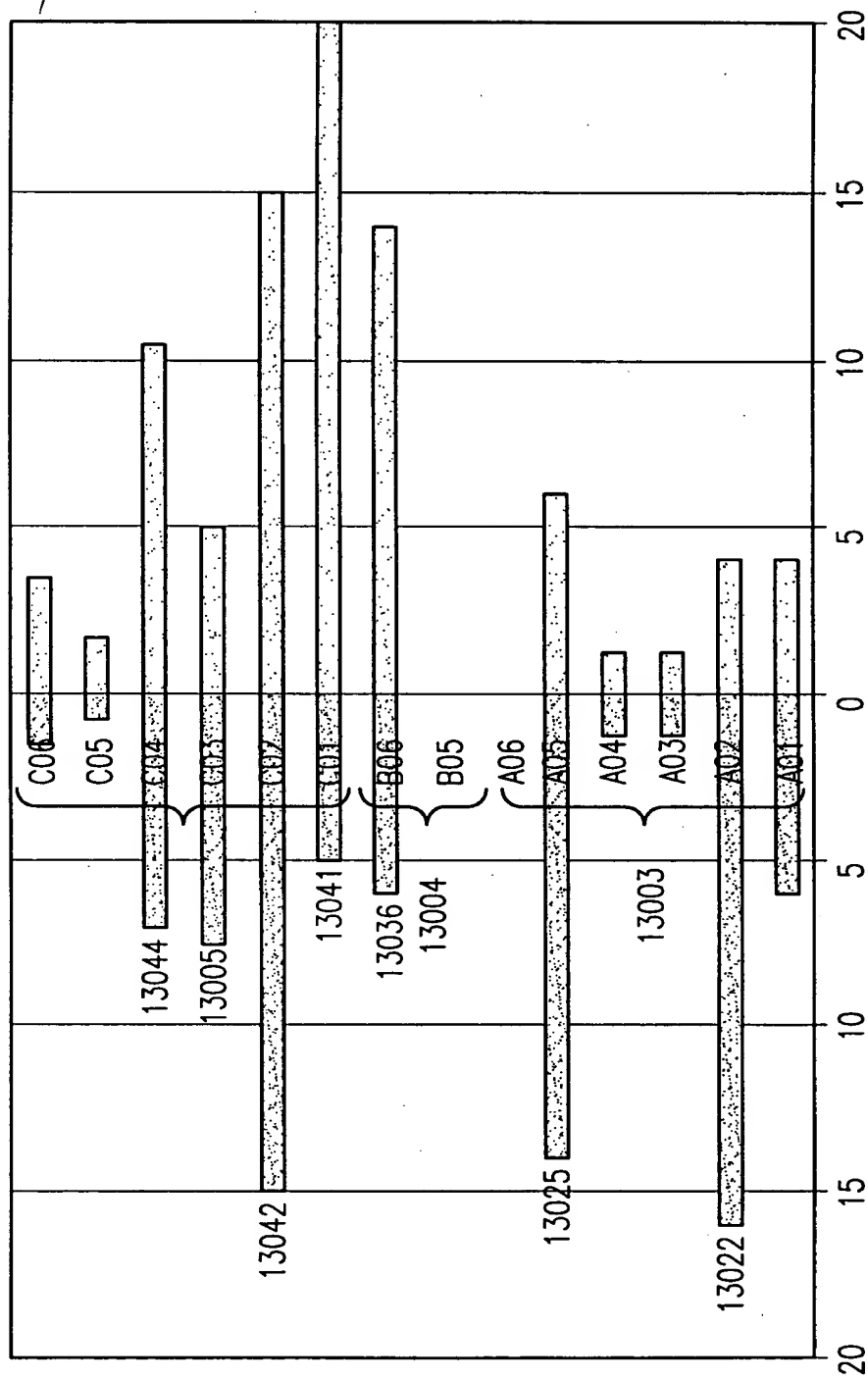


FIG. 28

FIG. 13A

CELL SELECTION MATRIX



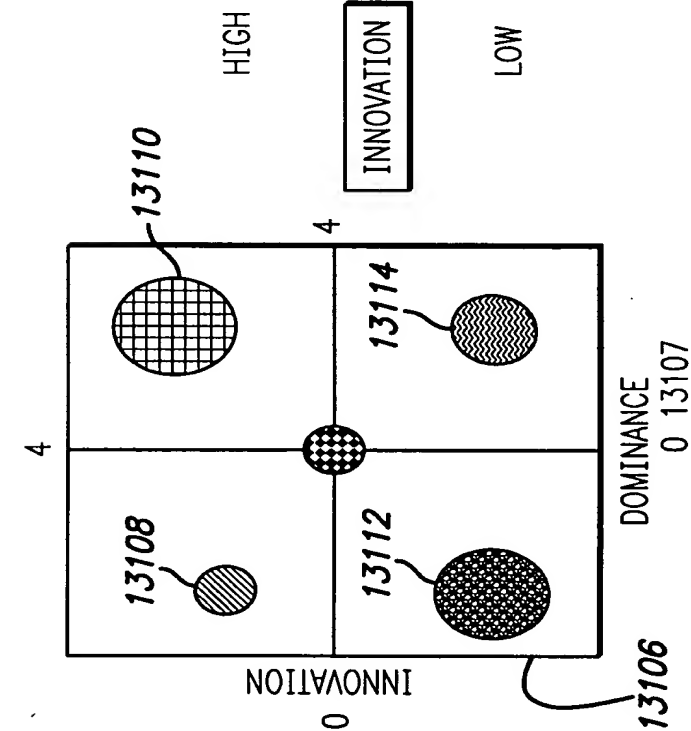
DEVELOP CELL SELECTION INDEX

13001

LICENSE CELL SELECTION INDEX

13002

CELL SELECTION SCORE - BUBBLE CHART



DOMINANCE

LOW

HIGH

<p>CONSIDER DEVELOPMENT OPTIONS</p> <p>BROAD INTEREST IN A FIELD</p> <p>MARKET IS SEARCHING FOR A "STANDARD"</p> <p>13109</p>	<p>CONSIDER PARTNERSHIP OR LICENSING OPPORTUNITIES</p> <p>"STANDARD" HOLDERS ARE FORTIFYING/DIFFERENTIATING THEIR ESTATES</p> <p>13111</p>
<p>PATENTS BY INDIVIDUALS</p> <p>LITTLE CURRENT EXPLORATION</p> <p>TECHNOLOGY IS UNDER DEVELOPED</p> <p>13113</p>	<p>MARKET HAS FOUND A "STANDARD"</p> <p>TECHNOLOGY IS MATURE</p> <p>MAY INDICATE OBSOLESCENCE</p> <p>13115</p>

INNOVATION

LOW

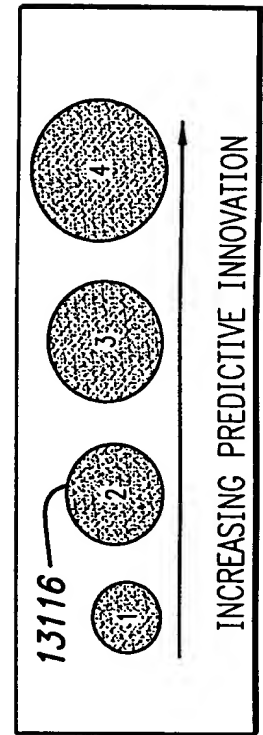


FIG. 13B

ASSIGNEE COMPOSITE SCORE

FIG. 14

RANK	ASSIGNEE	14003 14004 14005 14006 14007 14008				
		PHOTO-RECEPTOR OR	DIGITAL IMAGE	DIGITAL SCAN	REMOTE NETWORK OR	THERMAL IMAGE
1	A	61.4	46.1	5.1	0.0	59.0
2	B	0.0	55.4	0.0	0.0	26.4
3	C	0.0	30.0	0.0	31.5	28.0
4	D	400.0	0.0	10.0	0.0	0.0
5	E	40.0	30.0	0.0	0.0	26.3
6	F	0.0	15.0	0.0	147.0	0.0
7	G	0.0	18.5	0.0	0.0	26.8
8	H	0.0	147.3	28.6	0.0	30.1
9	I	0.0	0.0	0.0	0.0	5.7
10	J	0.0	0.0	0.0	0.0	3.5
11	K	0.0	0.0	0.0	0.0	0.0
12	L	260.0	0.0	0.0	0.0	7.0
13	M	0.0	45.0	0.0	0.0	14.0
14	N	0.0	0.0	0.0	0.0	1.8
15	O	0.0	0.0	0.0	10.5	21.0

14002

14001

14010

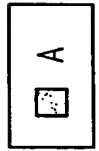
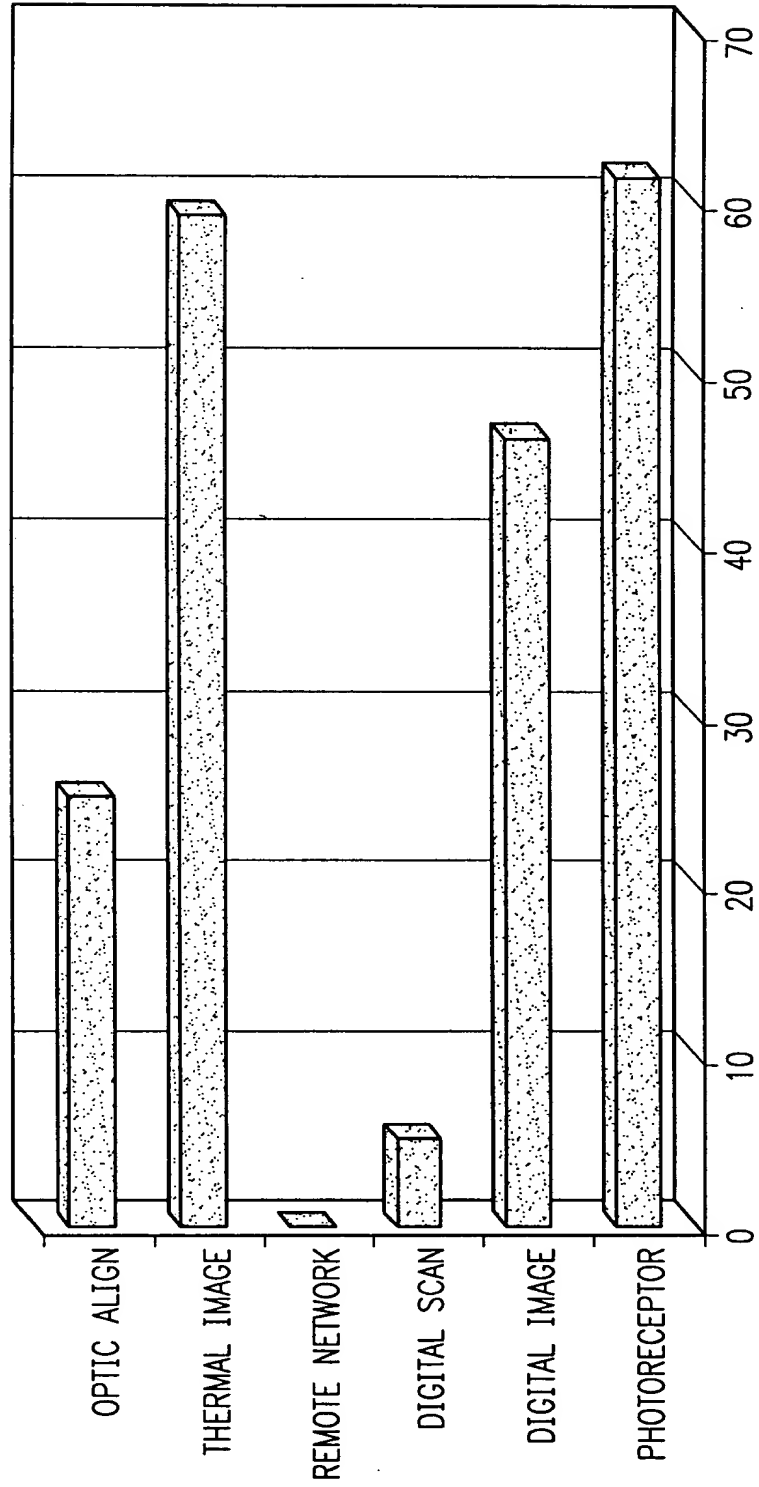
ASSIGNEE COMPOSITE SCORE

G. 15A

RANK	ASSIGNEE	14003	14004	14005	14006	14007	14008
		PHOTO-RECEPTOR OR PHOTORECEPTOR	DIGITAL IMAGE	DIGITAL SCAN	REMOTE NETWORK OR WIRELESS NETWORK	THERMAL IMAGE	OPTIC ALIGN
1	A	15.4	25.6	8.5	0.0	100.0	31.0
2	B	0.0	30.8	0.0	0.0	44.7	100.0
3	C	0.0	16.7	0.0	21.4	47.5	8.7
4	D	100.0	0.0	16.7	0.0	0.0	0.0
5	E	10.0	16.7	0.0	0.0	44.5	0.0
6	F	0.0	8.3	0.0	100.0	0.0	13.0
7	G	0.0	10.3	0.0	0.0	45.4	33.2
8	H	0.0	81.8	47.7	0.0	51.0	24.9
9	I	0.0	0.0	0.0	0.0	9.6	55.8
10	J	0.0	0.0	0.0	0.0	5.9	43.4
11	K	0.0	0.0	0.0	0.0	0.0	73.8
12	L	65.0	0.0	0.0	0.0	11.9	0.0
13	M	0.0	25.0	0.0	0.0	23.7	8.7
14	N	0.0	0.0	0.0	0.0	3.0	39.1
15	O	0.0	0.0	0.0	7.1	35.6	0.0

FIG. 15B

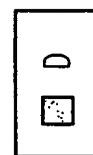
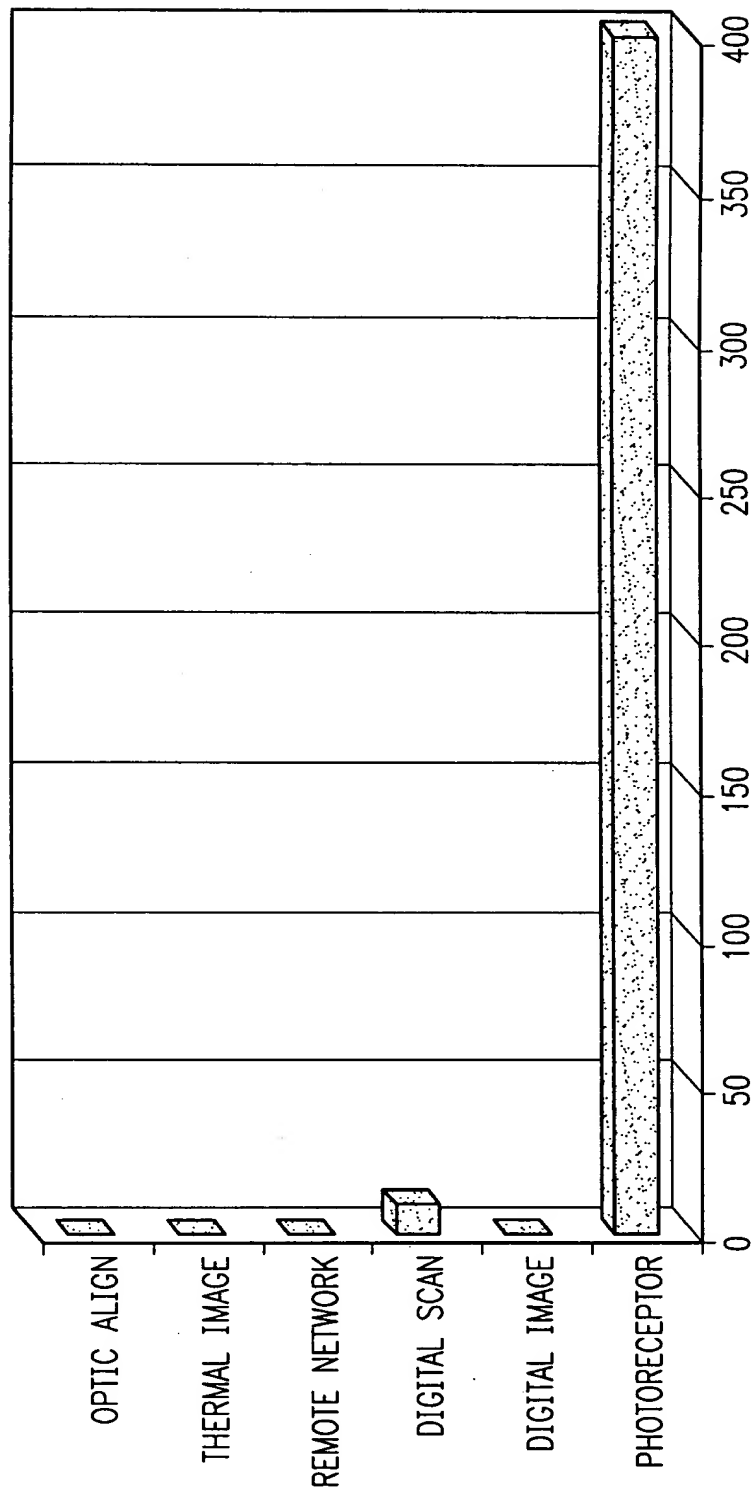
ASSIGNEE COMPOSITE SCORE



TOTF50" 86455/60

FIG. 15C

ASSIGNEE COMPOSITE SCORE



TOPFSD" B6465260

FIG. 15D

ASSIGNEE COMPOSITE SCORE

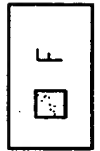
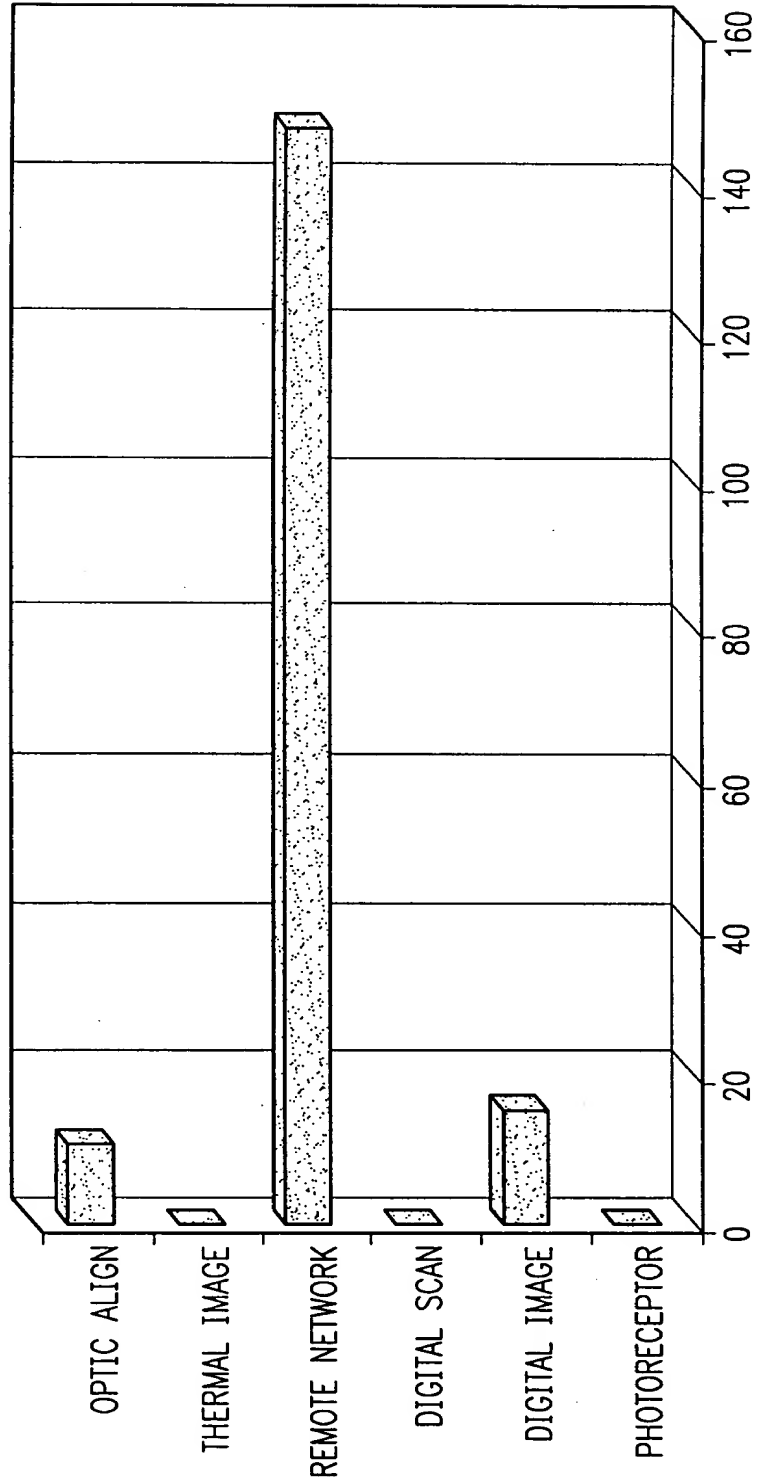


FIG. 15E

ASSIGNEE COMPOSITE SCORE

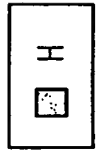
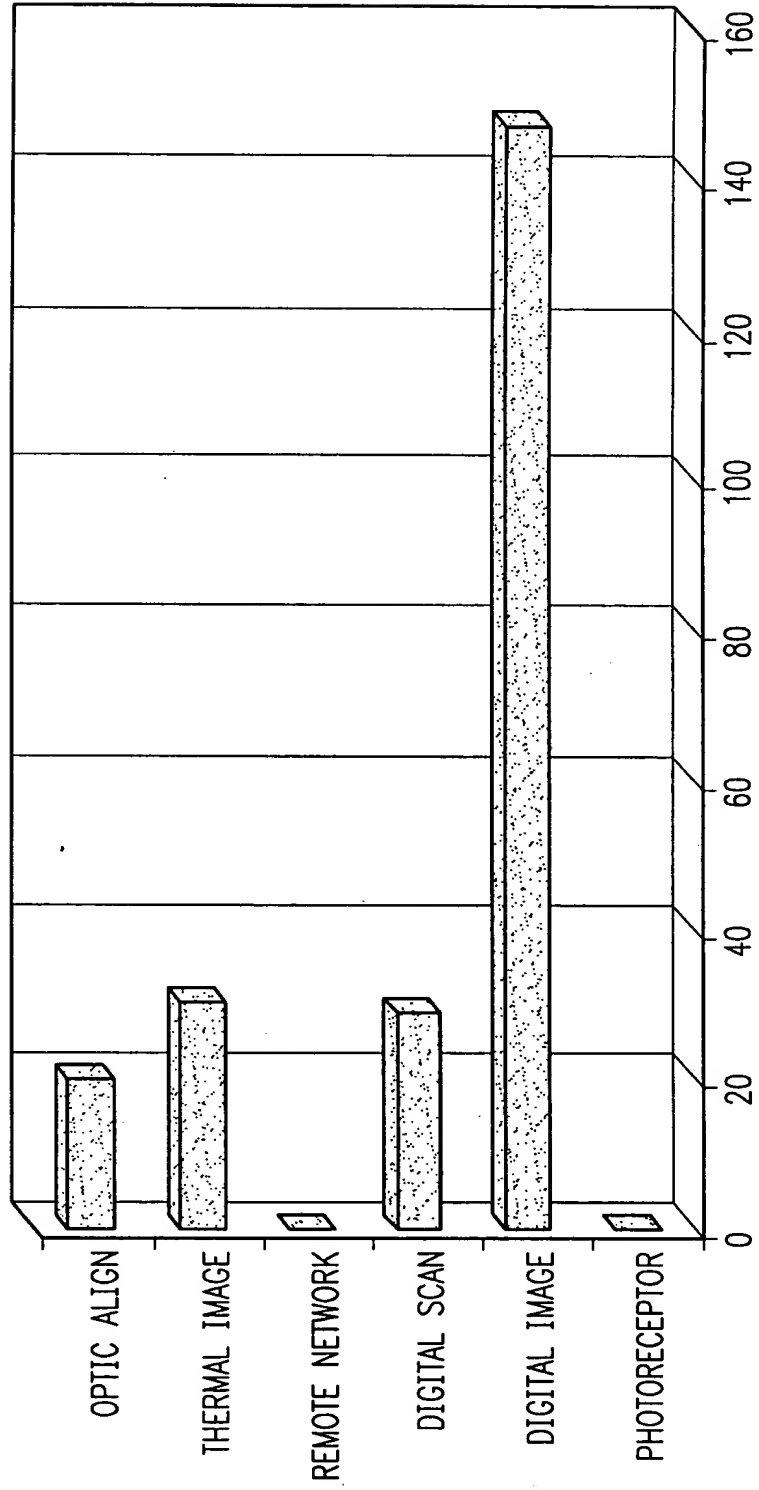
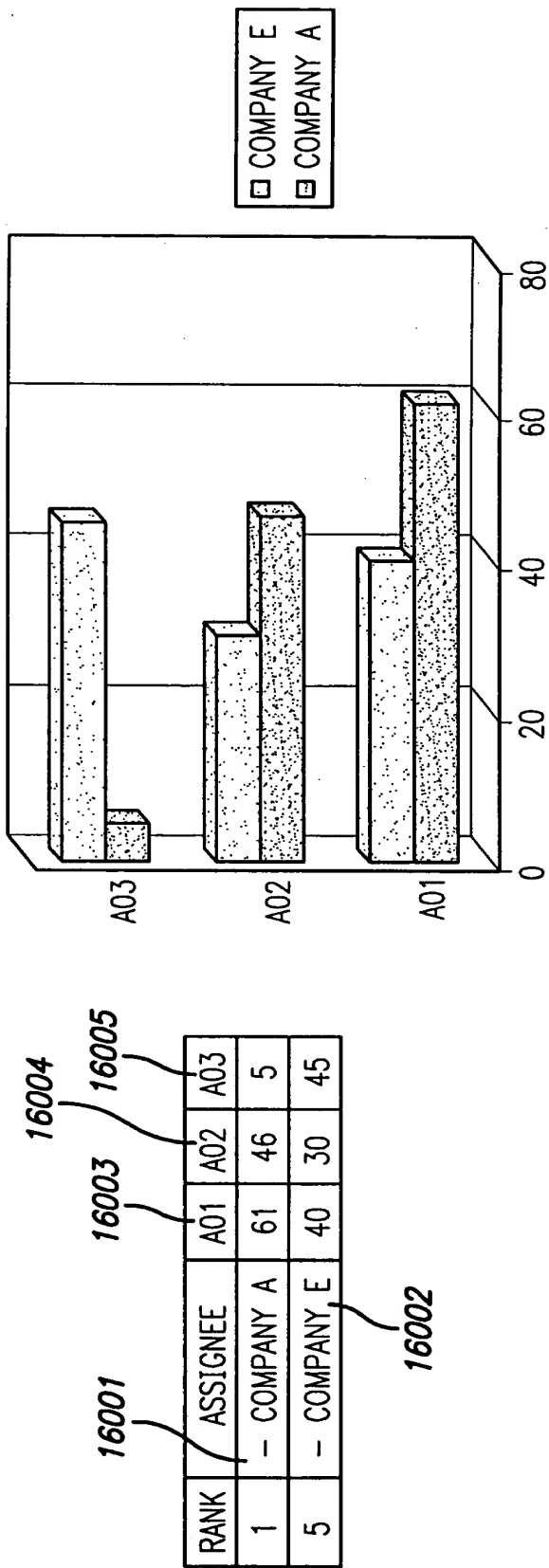


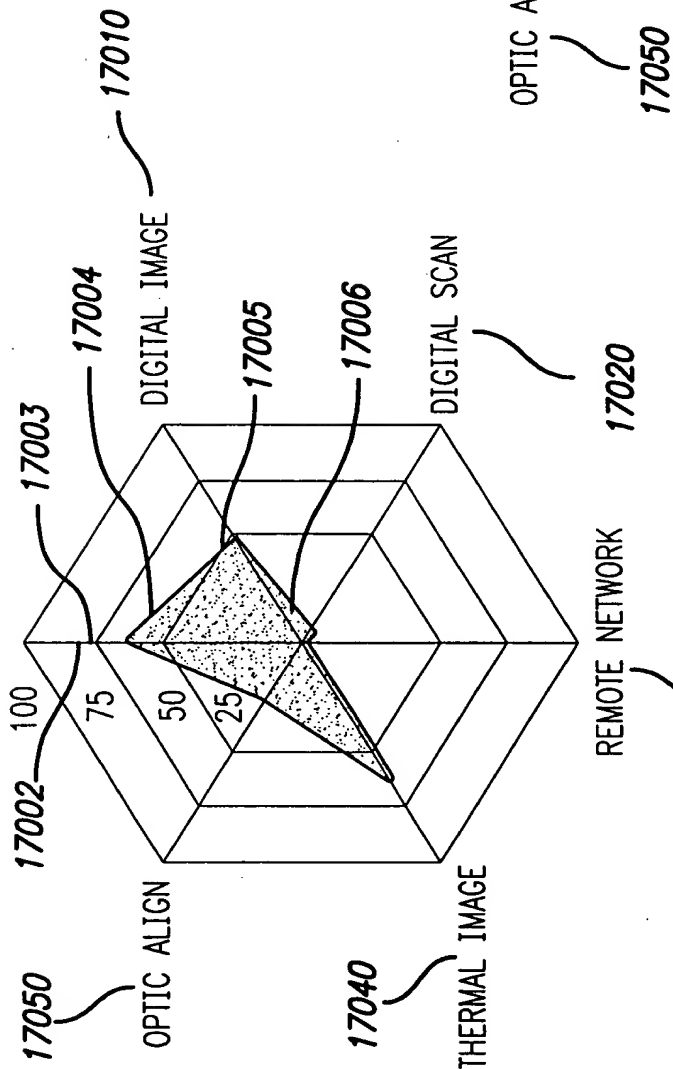
FIG. 16

GRAPHICAL REPRESENTATION OF ASSIGNEE COMPOSITE SCORE



ASSIGNEE COMPOSITE SCORE

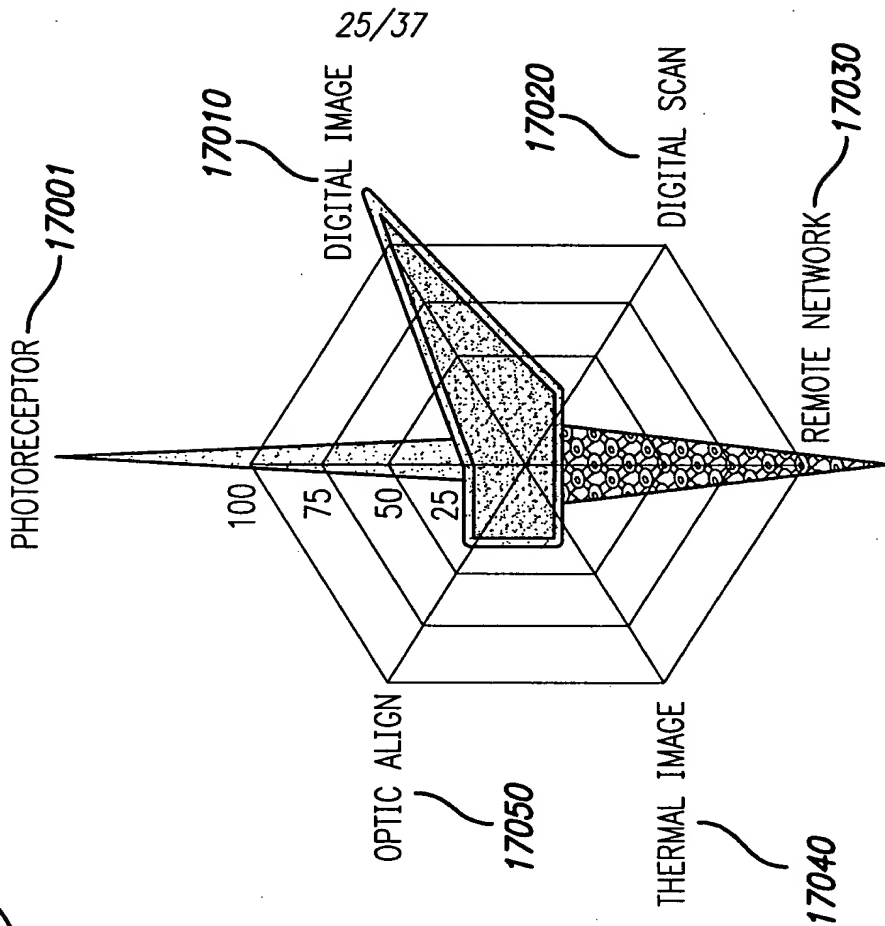
17001 — PHOTORECEPTOR



COMPANY A
17000

FIG. 17

FIG. 18



D18001 F18002 H18003

25/37

ASSIGNEE COMPOSITE SCORE

FIG. 19

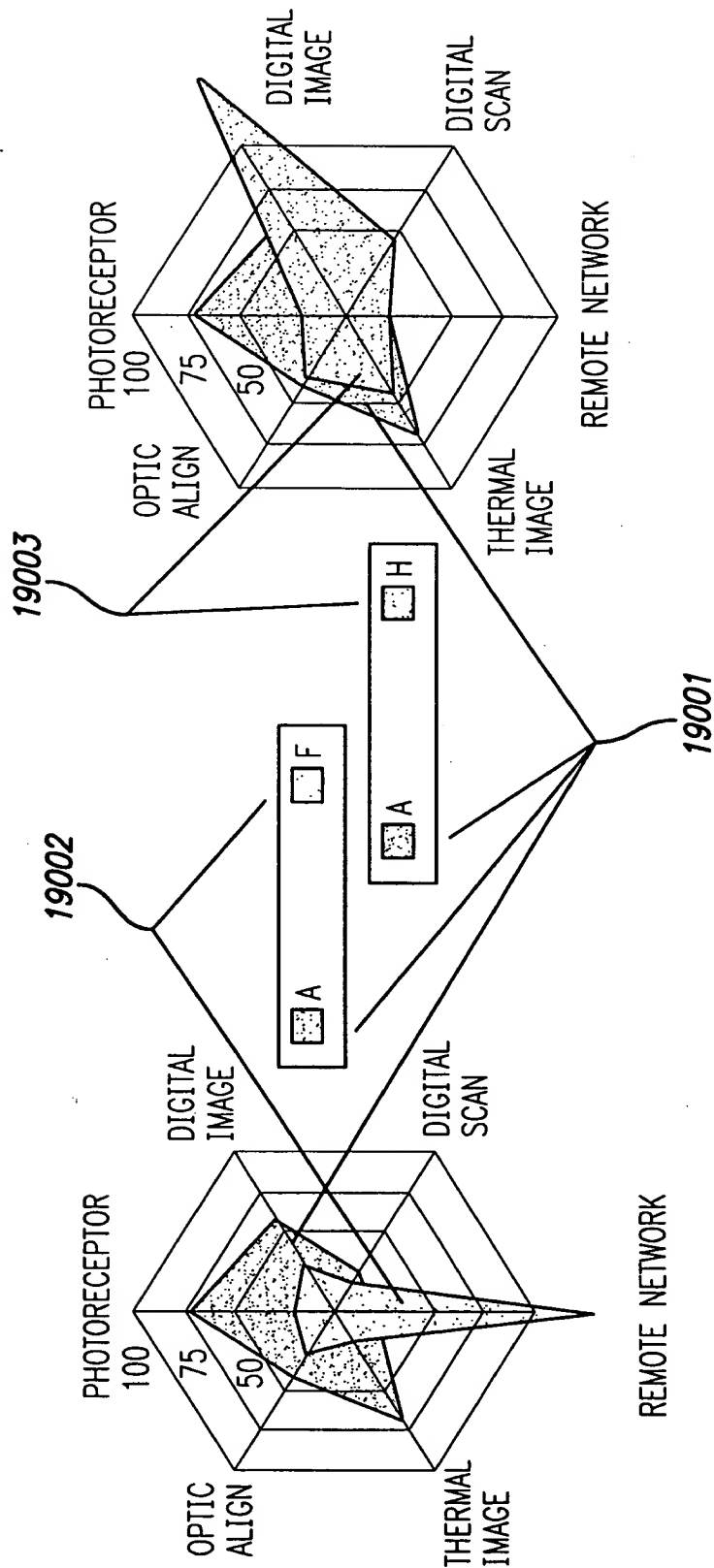
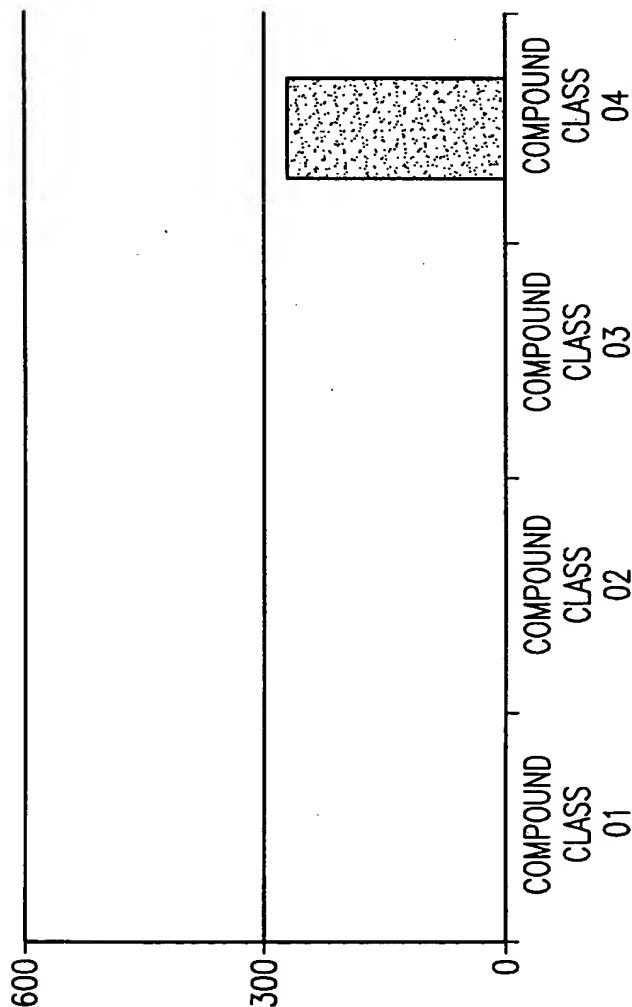


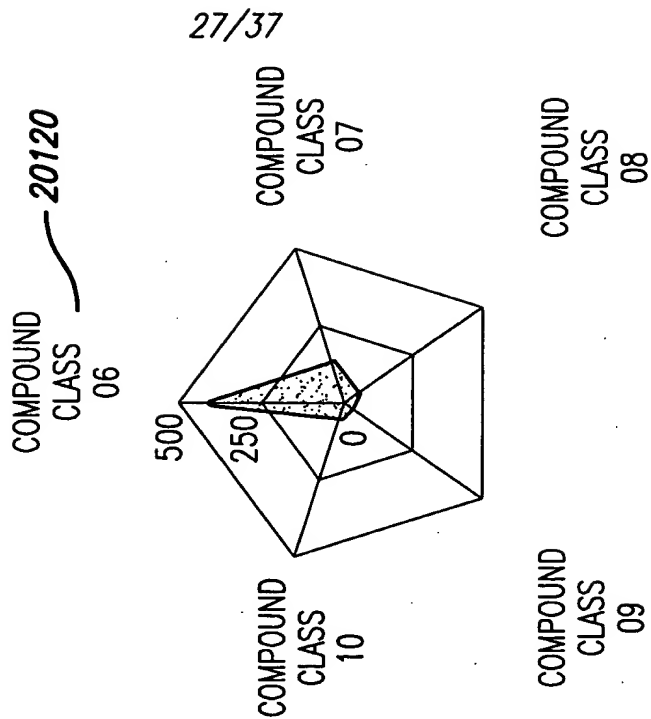
FIG. 20A

TARGET PARTNER 1
ASSIGNEE SPECIFIC CELL SELECTION INDICES

20100



20101



27/37

FIG. 20B

20200
ALTERNATIVE PARTNER 2
ASSIGNEE SPECIFIC CELL SELECTION INDICES

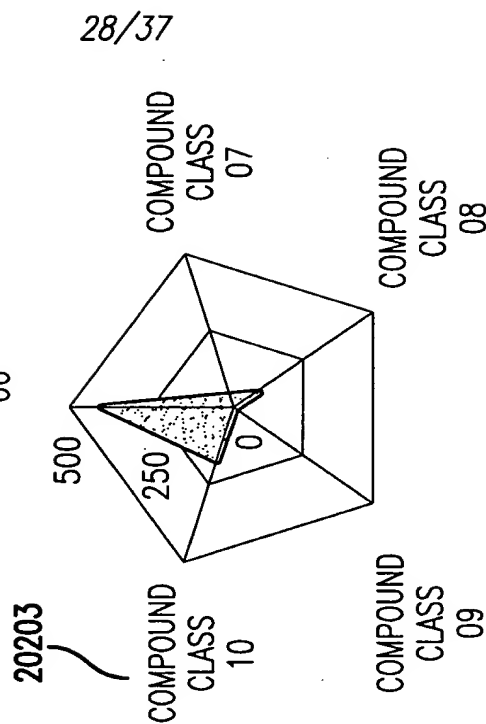
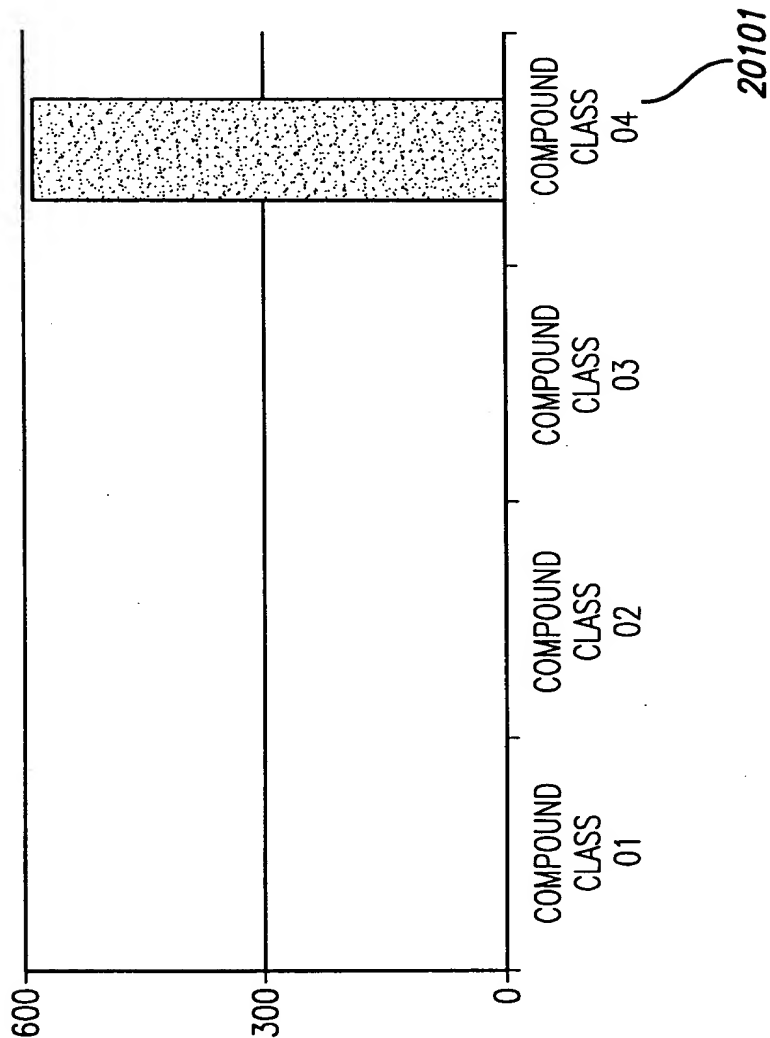


FIG. 20C

20300
ALTERNATIVE PARTNER 2
ASSIGNEE SPECIFIC CELL SELECTION INDICES

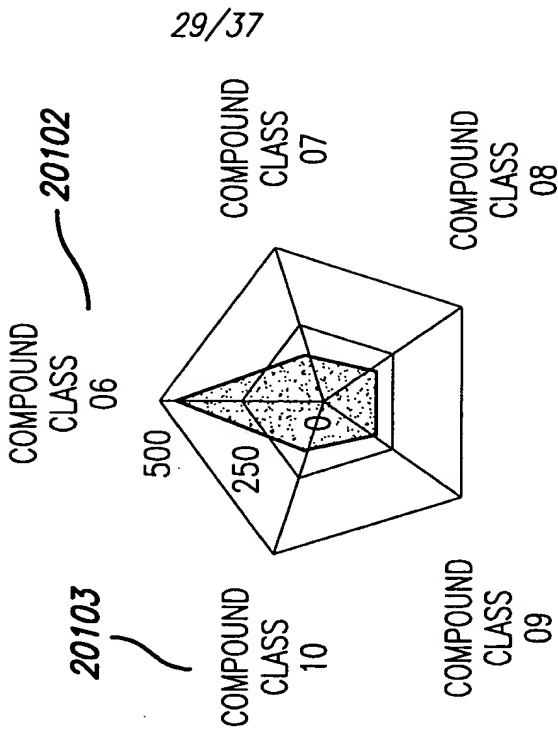
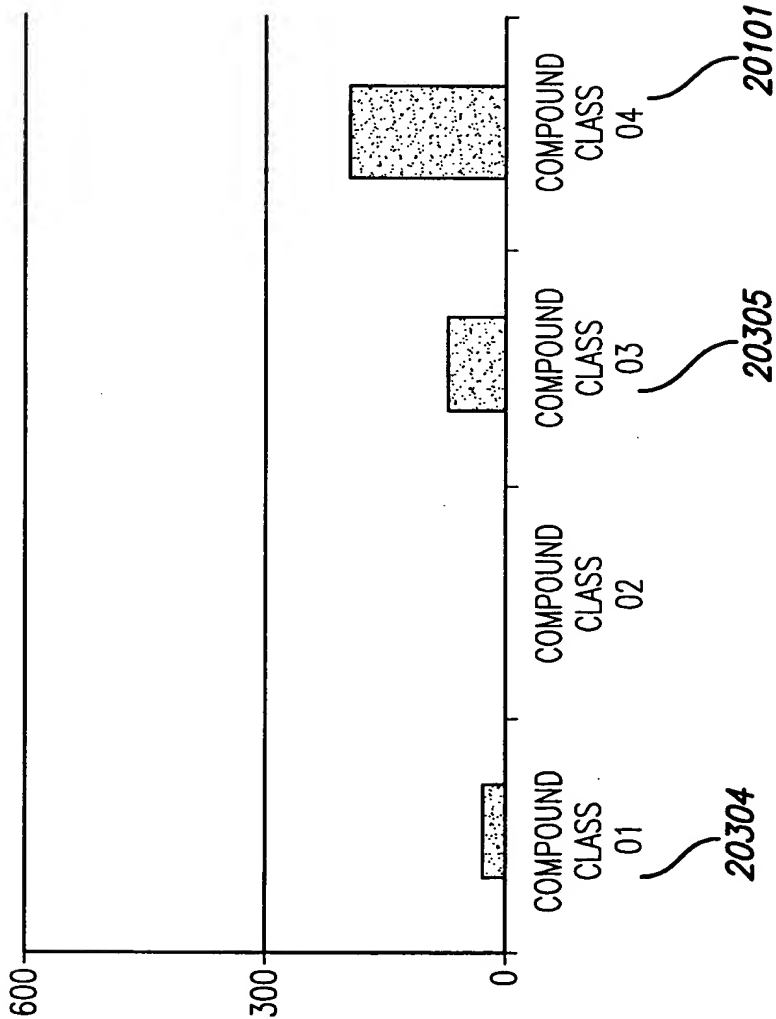


FIG. 21

ASSIGNEE FIELD INDEX VS. PATENT COUNT

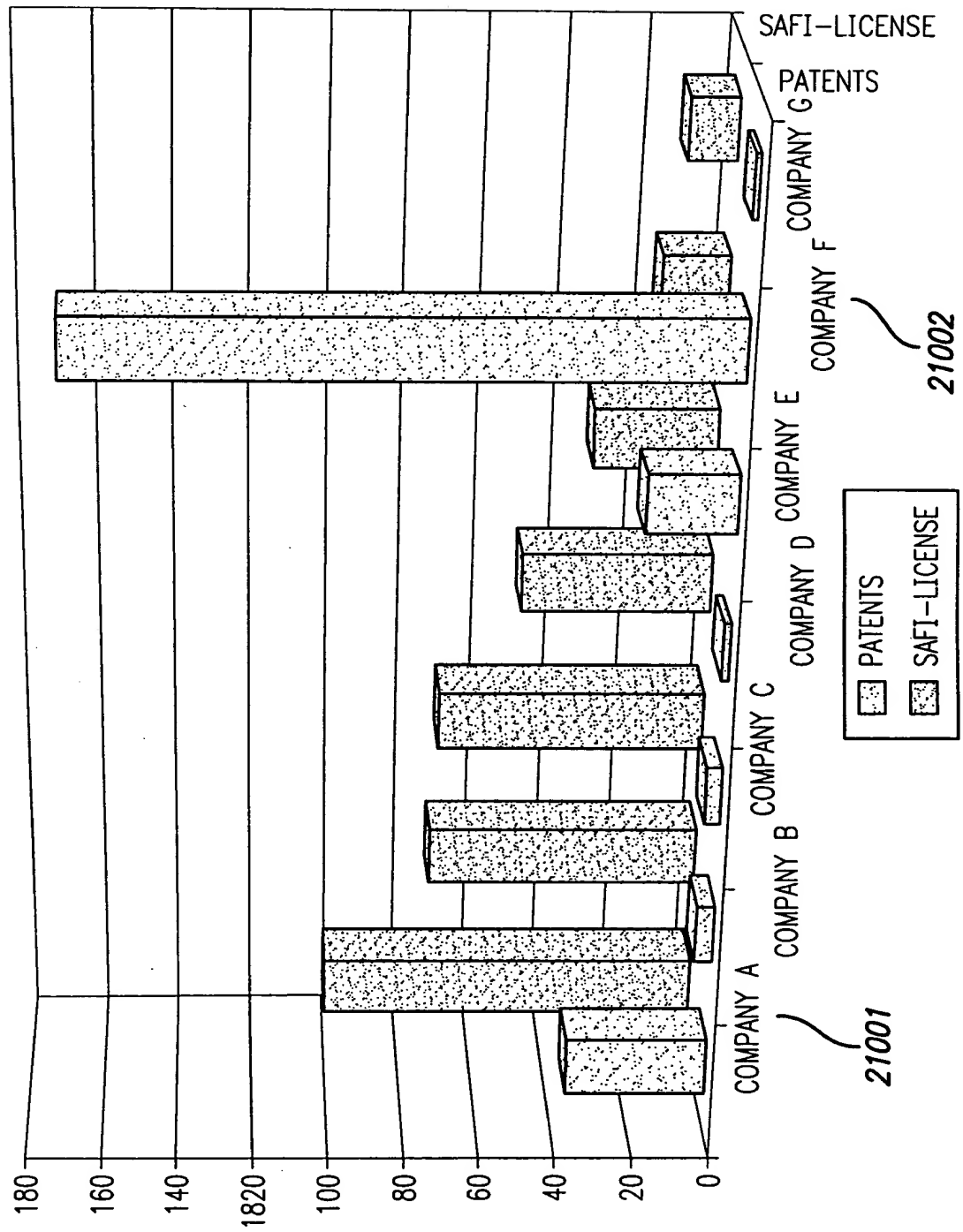


FIG. 22

STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION B

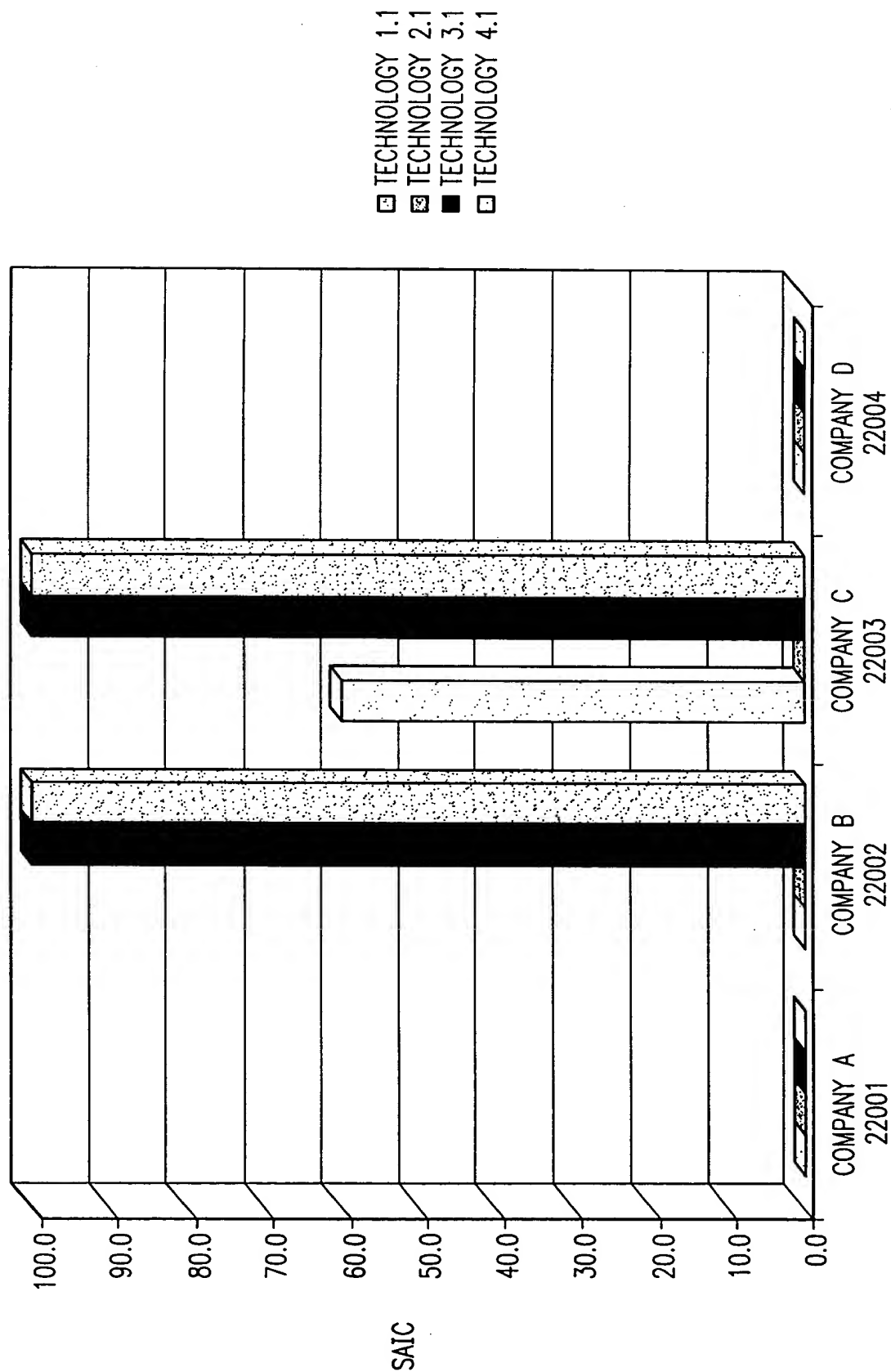
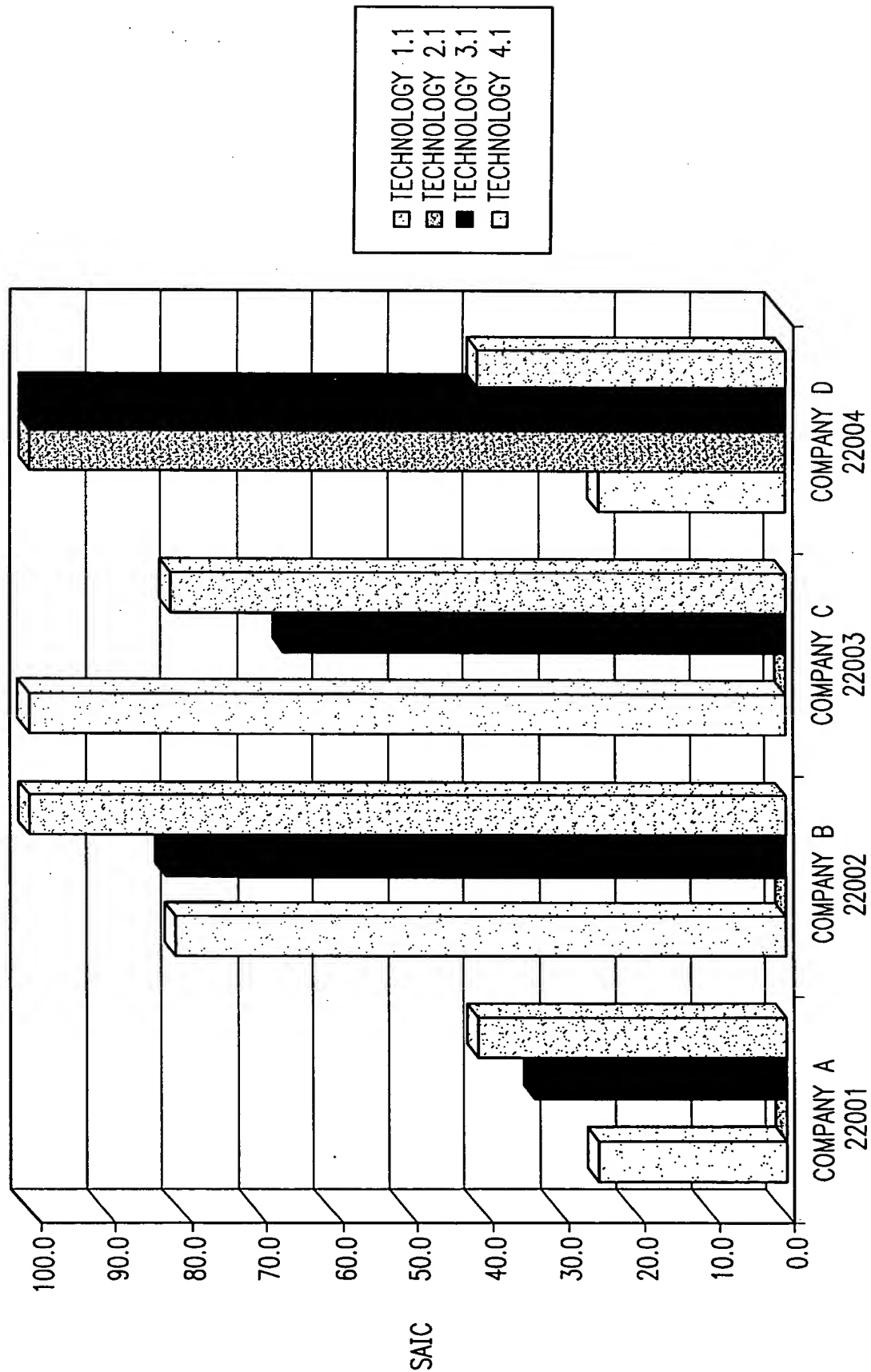
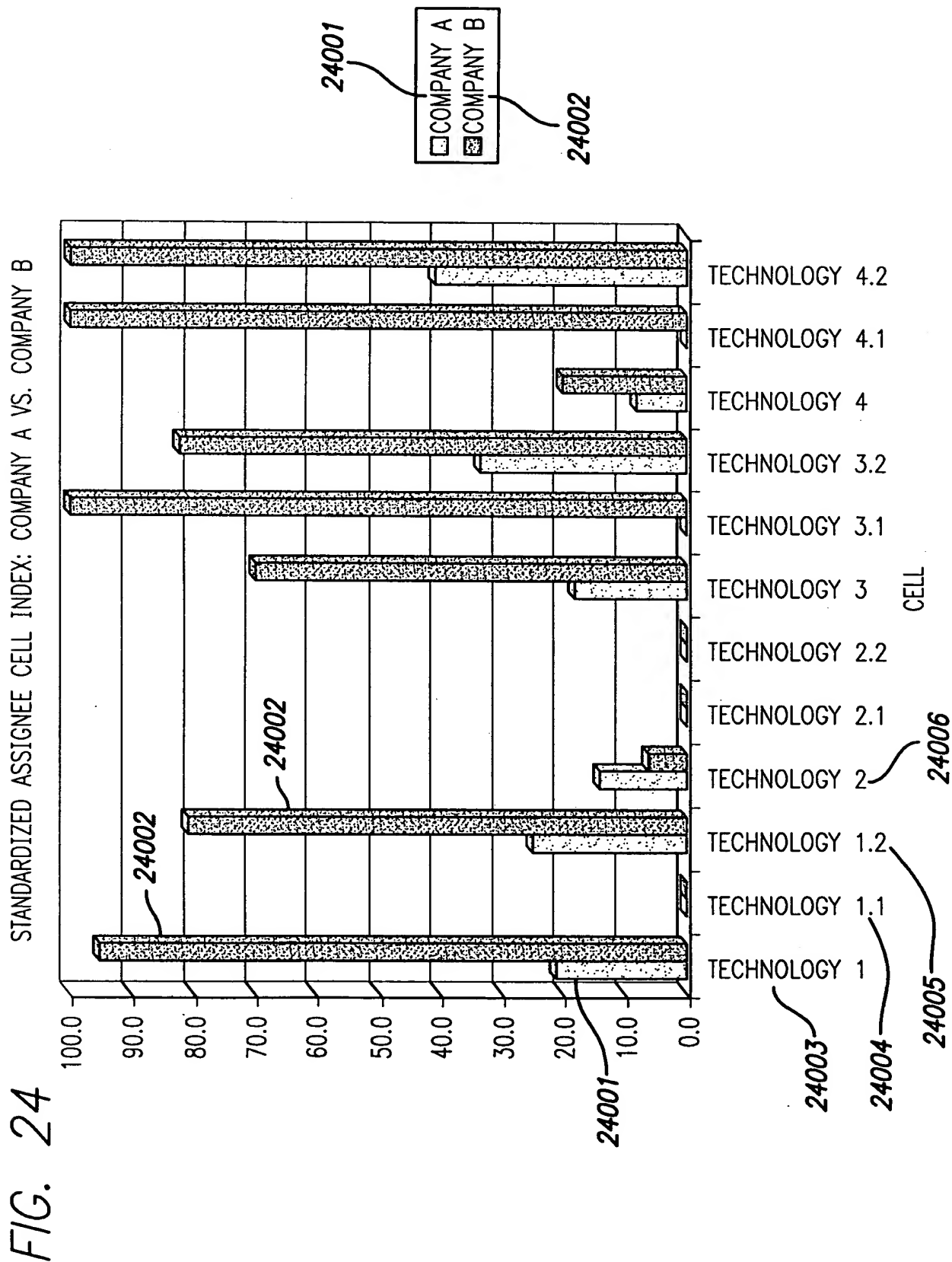


FIG. 23

STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION C





NATURALLY DEFINED CLUSTERS

CLUSTERS	COUNT OF CELLS	OCCURRENCES
C05,A05	2	18
C06,A06	2	18
A01,C01	2	16
A02,C02	2	14
A05,C05	2	14
A06,C06	2	14
B06,C06	2	10
C02,C05	2	10
C01,A01	2	8
C03,C05,C02	2	6
C02,C03	2	6
C05,C02	2	6
C06,B06	2	6
C04,A04,A06,C06	4	4
C06,A06,C05,A05	4	4

A NEAR INFRARED						
B FAR INFRARED						
C INFRARED						
	01	02	03	04	05	06
	PHOTORECEPTOR	DIGITAL IMAGE	DIGITAL SCAN	WIRELESS NETWORK	THERMAL IMAGE	OPTIC ALIGN

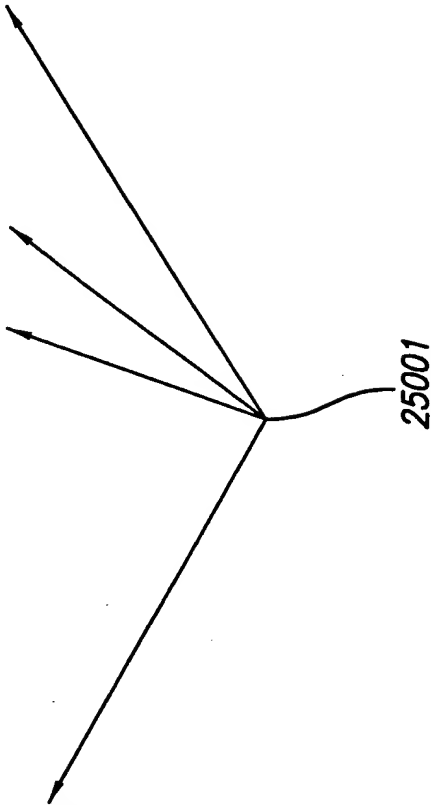


FIG. 25A

FIG. 25B

C02,C03,C05
EASTMAN KODAK
MINNESOTA MINING & MANUFACTURING
TEXAS INSTRUMENTS
UNITED STATES OF AMERICA
HUGHES ELECTRONICS
POLAROID
RAYTHEON
MATSUSHITA INDUSTRIAL ELECTRIC
US PHILIPS
HE HOLDINGS DBA HUGHES ELECTRONICS
HONEYWELL
AGFA-GEVAERT
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAIRNS & BROTHER
NEC
RAYTHEON TI SYSTEMS

FIG. 26

TOP INVENTORS
EASTMAN KODAK

CLUSTERS	HITS	PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
CHAPMAN, DEREK D.	10	10	11	4
DEBOER, CHARLES D.	8	8	9	5
EVANS, STEVEN	6	6	6	3
BURBERRY, MITCHELL S.	3	3	4	3
SCHILDKRAUT, JAY S.	2	2	3	4
TUTT, LEE W.	2	2	3	3
MOMOT, DAVID	2	2	2	3
BUGNER, DOUGLAS E.	2	1	2	4
BYER, GARY W.	2	1	2	6
KOLB, JR., FREDERICK J.	2	1	2	2
VOGEL, RICHARD M.	2	1	2	1
HARVEY, DONALD M.	1	1	3	4
DE GROOT, GERALD H.	1	1	2	5
MCLINTYRE, DALE F.	1	1	2	1
SIMPSON, WILLIAM H.	1	1	2	3
BLOOM, RICHARD M.	1	1	1	2

